

WHAT IS CLAIMED IS:

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1. An emission control system, comprising:
a particle filter; and
an arrangement disposed upstream from the particle filter, the arrangement being configured to prevent development of ash-forming compounds of sulfur contained in an exhaust gas.

2. The emission control system according to claim 1, wherein the emission control system is configured for use with an internal combustion engine.

3. The emission control system according to claim 1, wherein the arrangement includes a SO_x collector.

4. The emission control system according to claim 1, wherein the arrangement includes a NO_x collector.

5. The emission control system according to claim 3, wherein the arrangement includes a NO_x collector.

6. The emission control system according to claim 1, wherein the arrangement includes an oxidation catalyst.

7. The emission control system according to claim 3, wherein the arrangement includes an oxidation catalyst.

8. The emission control system according to claim 5, wherein the arrangement includes an oxidation catalyst.

sub a3

9. A method for operating an emission control system, the emission control system including a particle filter and an arrangement disposed upstream from the particle filter, the arrangement being configured to prevent development of ash-forming compounds of sulfur contained in an exhaust gas, the method comprising the step of:

Q3 preventing development of ash-forming compounds of sulfur contained in the exhaust gas.

10. The method according to claim 9, further comprising the steps of:

operating the emission control system in a normal operating phase with a lean exhaust composition to store sulfur contained in the exhaust gas; and

operating the emission control system in a regeneration phase with a rich exhaust composition to release stored sulfur as at least one gaseous compound.

11. The method according to claim 10, wherein the step of operating the emission control system in the regeneration phase includes the substep of raising an exhaust temperature to between 550°C and 700°C.

12. A method for reducing ash components in a particle filter of an exhaust system for a diesel engine, comprising the steps of:

maintaining ash-forming exhaust components in a gaseous state in a catalyst disposed upstream from the particle filter;

storing sulfur in the catalyst; and

passing the ash-forming exhaust components in the gaseous state through the particle filter.

13. A device for reducing ash components in a particle filter of an exhaust system of a diesel engine, comprising:

a catalyst disposed upstream from the particle filter, the catalyst including a sulfur-storing catalyst configured as a NO_x collector, the catalyst being further configured to change ash-forming exhaust components to a gaseous state flowable through the particle filter.